

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend





Machine Id

# **VILTER MAIN VILTER B**

Compressor

**VILTER METHANE PAO 100 (--- GAL)** 

#### Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

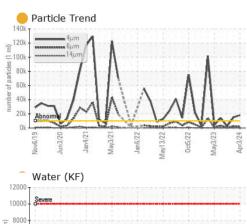
#### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

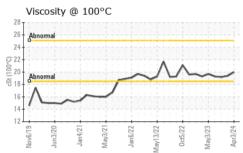
		v2019 Jun20	20 Jan 2021 May 2021	Jan 2022 May 2022 Oct 2022 Ma	y2023 Apr20	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60002353	TO60001064	TO60001087
Sample Date		Client Info		03 Apr 2024	02 Oct 2023	07 Sep 2023
Machine Age	hrs	Client Info		22352	22352	22118
Oil Age	hrs	Client Info		15636	15870	15667
Oil Changed		Client Info		Oil Added	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	1	1
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>15	<1	0	0
Lead	ppm	ASTM D5185m	>65	0	0	0
Copper	ppm	ASTM D5185m	>65	2	0	0
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		1	0	0
Magnesium	ppm	ASTM D5185m		1	0	<1
Calcium	ppm	ASTM D5185m		1	0	<1
Phosphorus	ppm	ASTM D5185m		0	0	<1
Zinc	ppm	ASTM D5185m		0	0	3
Sulfur	ppm	ASTM D5185m		387	391	372
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	31	<b>△</b> 53	28
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water	%	ASTM D6304	>0.1	0.015	0.081	0.081
ppm Water	ppm	ASTM D6304	>1000	152	811.5	810
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>18059</b>	15107	2649
Particles >6µm		ASTM D7647	>2500	2153	2537	413
Particles >14µm		ASTM D7647	>320	69	99	13
Particles >21μm		ASTM D7647	>80	20	22	5
Particles >38µm		ASTM D7647	>20	1	1	1
Particles >71μm		ASTM D7647	>4	0	1	1
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>21/18/13</b>	21/19/14	19/16/11
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.74	0.318	0.99

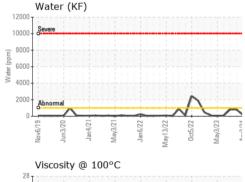


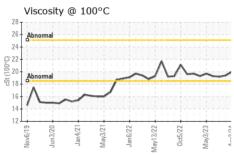
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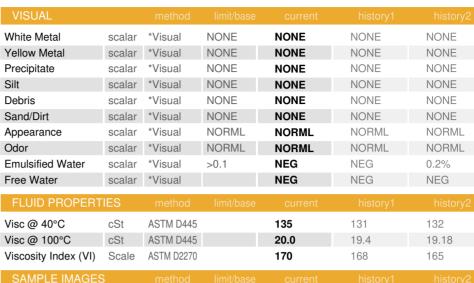


12000 T	cei (Ki)						
10000 - Seve	re						
€ 8000							
Matter (ppm)							
≥ 4000							
2000 - Abno	ormal	++++					
0			2	- 2	<b>V</b> 2	<u></u>	
Nov6/19	Jun3/20 Jan4/21	May3/2	Jan6/2	May13/2	0ct5/2	May3/2	Apr3/24
				_			



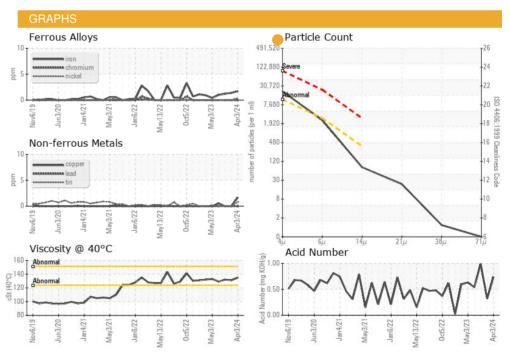






Color		
Bottom		









Certificate 12367

Laboratory Sample No.

Lab Number

: TO60002353 : 06151233 Unique Number: 10981311

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 16 Apr 2024 **Tested** Diagnosed

: 19 Apr 2024 : 19 Apr 2024 - Don Baldridge

Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

**BLUE RIDGE RENEWABLES** 

2200 FM 521 FRESNO, TX US 77545 Contact: Ezequiel Tirado

ztirado@morrowenergy.com T: (214)425-5006 F: x:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: BLUFRE [WUSCAR] 06151233 (Generated: 04/19/2024 23:43:43) Rev: 1

Submitted By: TECHNICIAN ACCOUNT